

5 Claims

1. Method for packing a cable harness (1), which was completed and/or is resting on a carrier (2), preferably consisting of or containing flat cables, characterized in that the cable harness (1) is gripped and held by a packaging device (3), which is, if necessary, part of the production device for the cable harness, by means of holding elements (4,5,6,7) at predetermined positions, holding points (12), e.g., connectors; the carrier (2) is removed at least in regions lying between these holding points; the holding points (12) are brought closer together parallel to a common direction (F, -F), wherein the cable harness (1) forms loops (10); the cable harness (1) is laid on an optionally multiple part, template-like holder (8) with fixing points for the holding points (12), wherein the loops (10) pass through slots (11) in the holder (8) and the holding points (12) are fixed by the fixing points; the cable harness and as a whole the holder (8) are placed in a packaging enclosure (9); the packaging device (3) releases the holding points (12); and, finally, the packaging enclosure (9) is closed.

2. Method according to Claim 1, characterized in that the holder is one piece and after the holding points (12) are brought closer together, the holder is brought under the cable harness (1) and raised, so that the loops (10) pass through the slots (11) in the holder (8).

3. Method according to Claim 1, characterized in that the holder (8) is formed in multiple parts; parts of the holder are brought directly under the cable harness (1) before bringing the holding points (12) closer together and moved with the holding points, so that the loops form between the individual parts; and then the parts are fixed relative to each other in their positions.

4. Method according to one of Claims 1-3, characterized in that the cable harness (1) and, as a whole, the holder (8) are placed from above, but in the diagonal direction, into the packaging enclosure (9).

5. Method for unpacking a cable harness (1) lying on a template-like holder (8) in its packaging with a packaging enclosure (9), characterized in that the packaging enclosure (9) is opened; the position of the fixing points is set; holding elements (4,5,6,7) of an unpacking device (3) grip and hold the holding points (12); the cable harness is lifted out of its packaging enclosure (9) and separated from its holder (8); and finally the holding points (12) are brought into their original position.

6. Packaging for a cable harness (1) with a packaging enclosure (9) and an optionally multiple part, template-like carrier (8), characterized in that the carrier (8) contacts and if necessary is fixed to contacts and fixings of the packaging enclosure (9); and the carrier (8) has fixing points for receiving and fixing holding points (12) of the cable harness (1).

7. Packaging according to Claim 6, characterized in that the carrier (8) has markings, which allow the packaging device or unpacking device (3) to identify the position of the carrier and its fixing points, e.g., optically, magnetically, electrically, or by touch.

- 5 8. Packaging according to Claim 6 with a cable harness (1), characterized in that the holding points (12) of the cable harness (1) represent markings, which allow the packaging device or unpacking device (3) to identify the position of the carrier and its fixing points, e.g., optically, magnetically, electrically, or by touch.
- 10 9. Packaging according to one of Claims 6-8, characterized in that the packaging enclosure (9) and/or the carrier (8) consists of corrugated cardboard.
10. Packaging according to Claim 6 or 9, characterized in that the fixing points for the holding points (12) are cut-outs in the carrier (8).